

# DR. B.K.B. COLLEGE PURANIGUDAM

---

Estd. 1967



GREEN CAMPUS



## CRITERIA – 7 Institutional Values and Best Practices

**QIM: 7.1.3 Describe the facilities in the institution for the management of the following types degradable and non-degradable waste (within 500 words)**

**Submitted to**

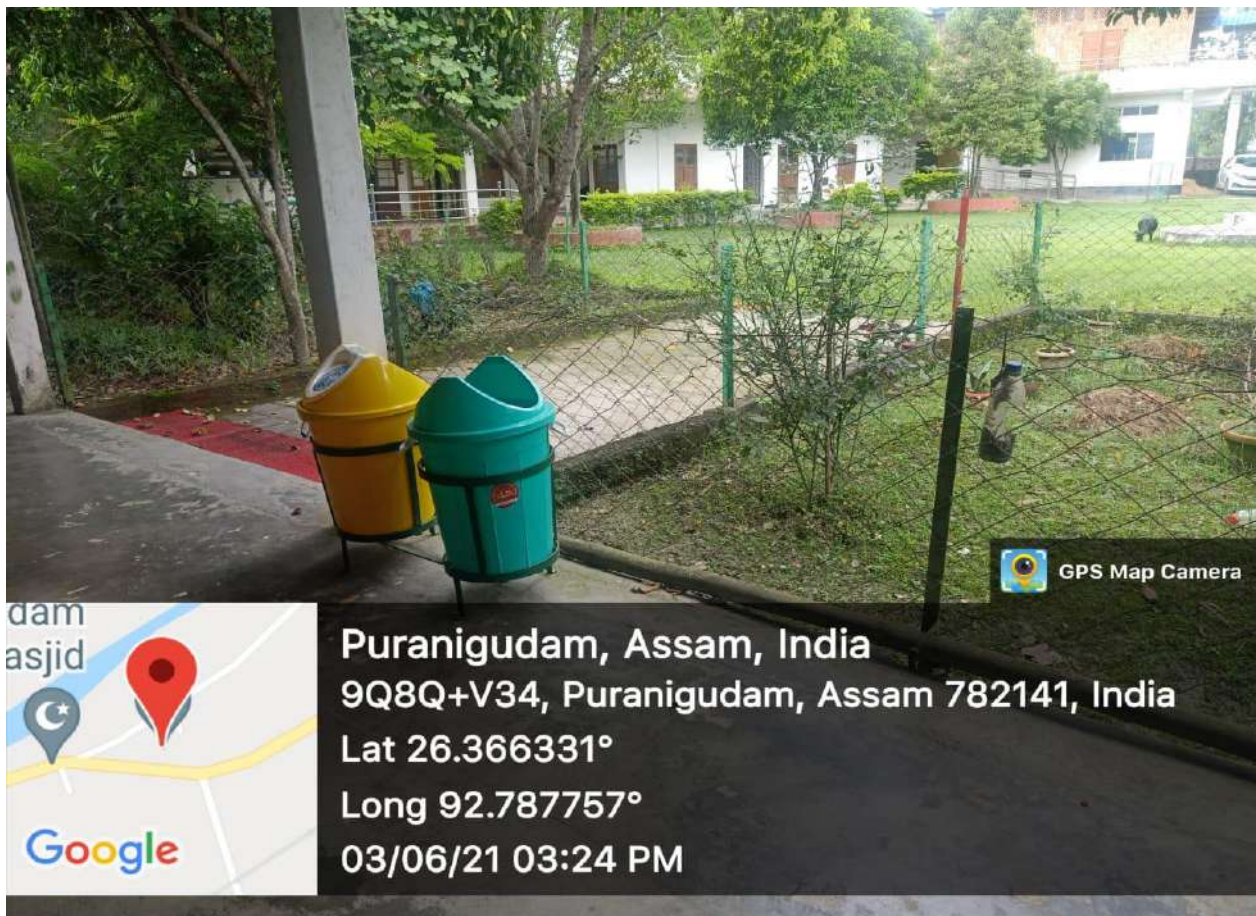
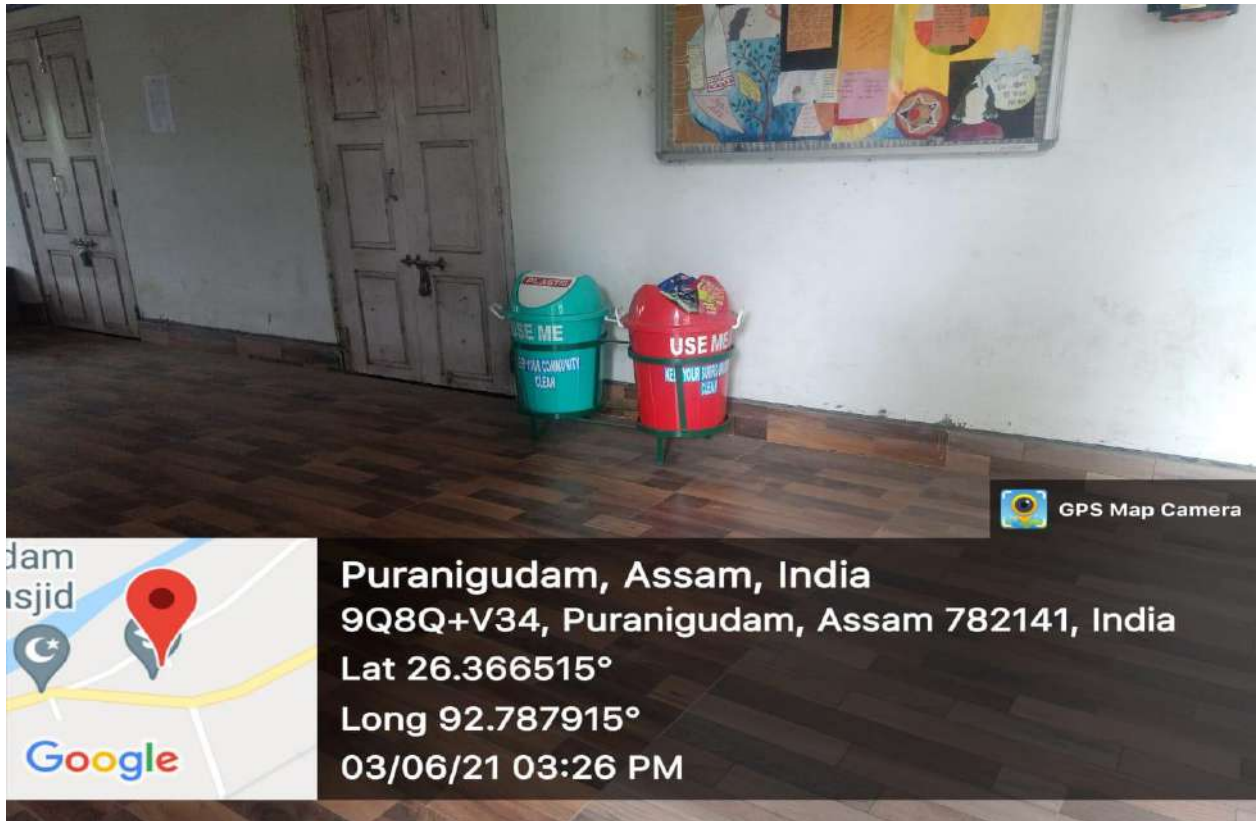
**National Assessment and Accreditation Council (NAAC), Bangalore, India**



## CONTENT

Sl No	Particulars	Page No
1	Solid Waste Management	1-4
2	Liquid Waste Management	5-6
3	E-waste Management	7-8
4	Bio-Medical Waste Management	9-10
5	Plastic Free Zone	10-12
6	Vehicles Free Campus-1	13
7	Tobacco Free Zone	13-15
8	Swachha Bharat Abhijan and Cleanliness Drive	15-16
9	Green Audit	17-19
10	Energy Audit	20-22
11	Seminar on Waste Management	23-26

## Solid Waste Management Mechanisms



Waste Management: Photo of colour dustbin to collect paper and plastic waste separately





GPS Map Camera



Puranigudam, Assam, India  
9Q8Q+V34, Puranigudam, Assam 782141, India  
Lat 26.366385°  
Long 92.787894°  
03/06/21 03:25 PM



GPS Map Camera



Puranigudam, Assam, India  
9Q8Q+V34, Puranigudam, Assam 782141, India  
Lat 26.366442°  
Long 92.787706°  
03/06/21 03:23 PM

Photo of Dust Bin



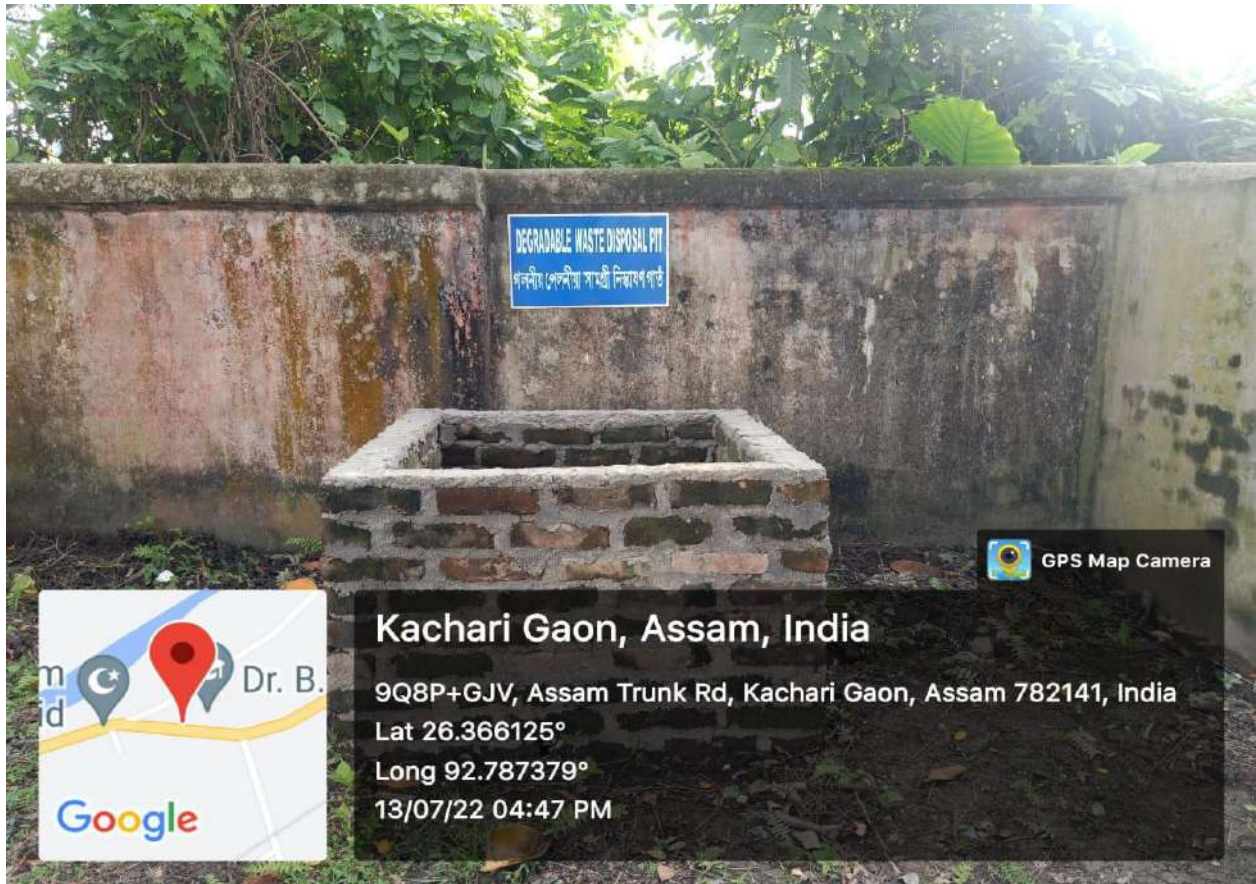


**Degradable Waste Management: Photo of Vermicompost Pit**



**Non-Degradable Waste Management: Photo of Disposal Pit**





Degradable Waste Management: Photo of Disposal Pit



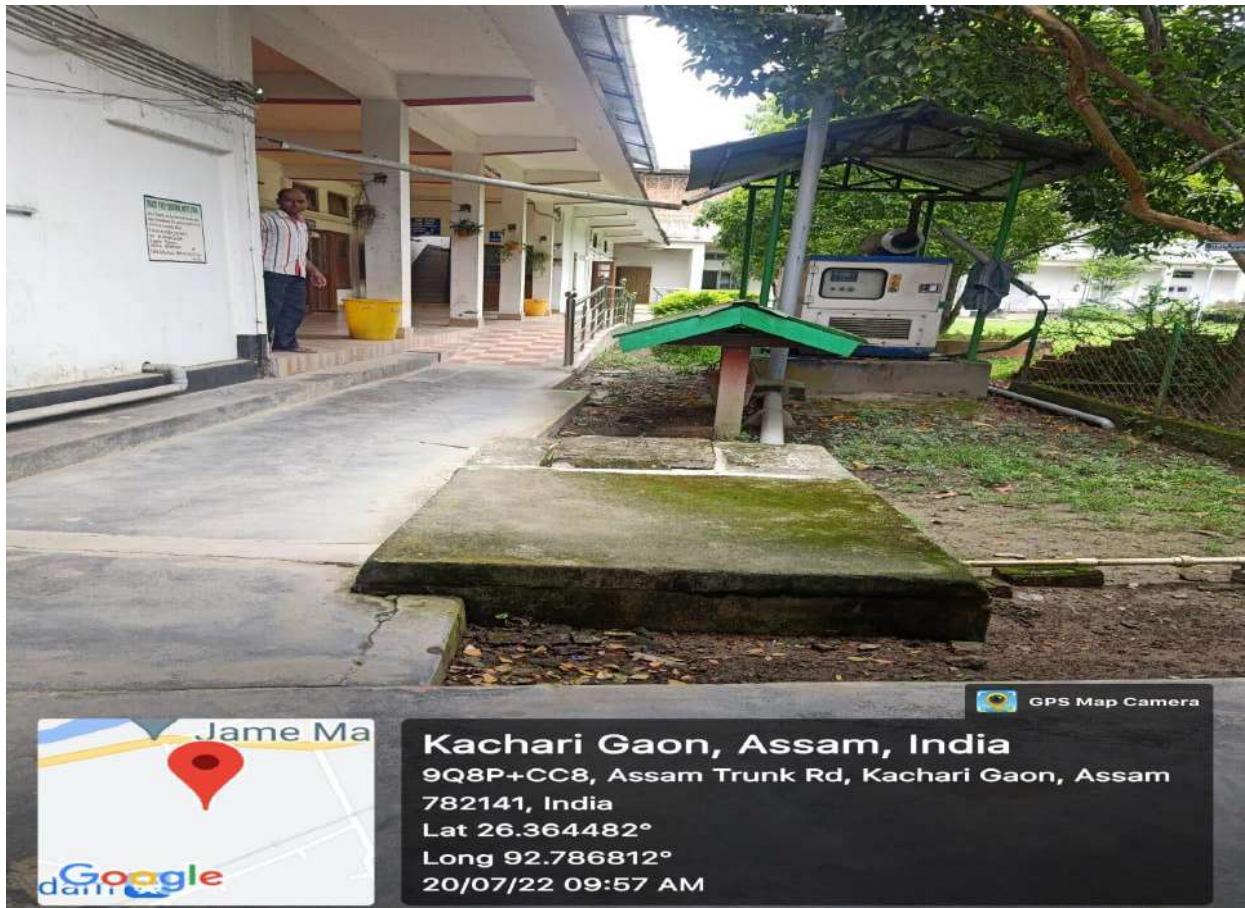
Degradable Waste Management: Photo of Disposal Pit inside the Girl's Hostel



## Liquid Waste Management Mechanism



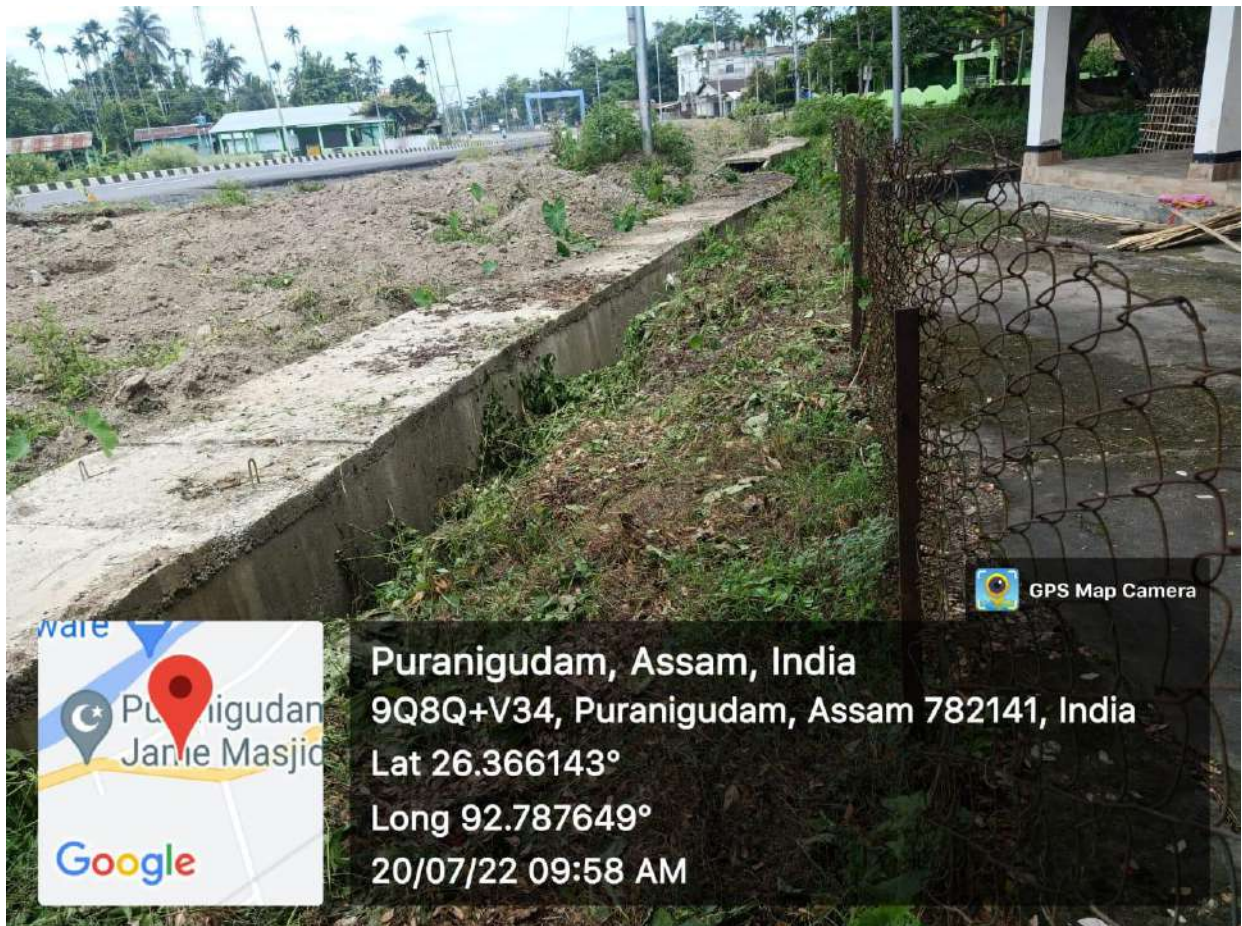
Photo indicates re-use of waste water



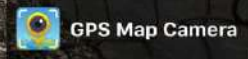




Puranigudam, Assam, India  
9Q8Q+V34, Puranigudam, Assam 782141, India  
Lat 26.366219°  
Long 92.787555°  
20/07/22 09:58 AM

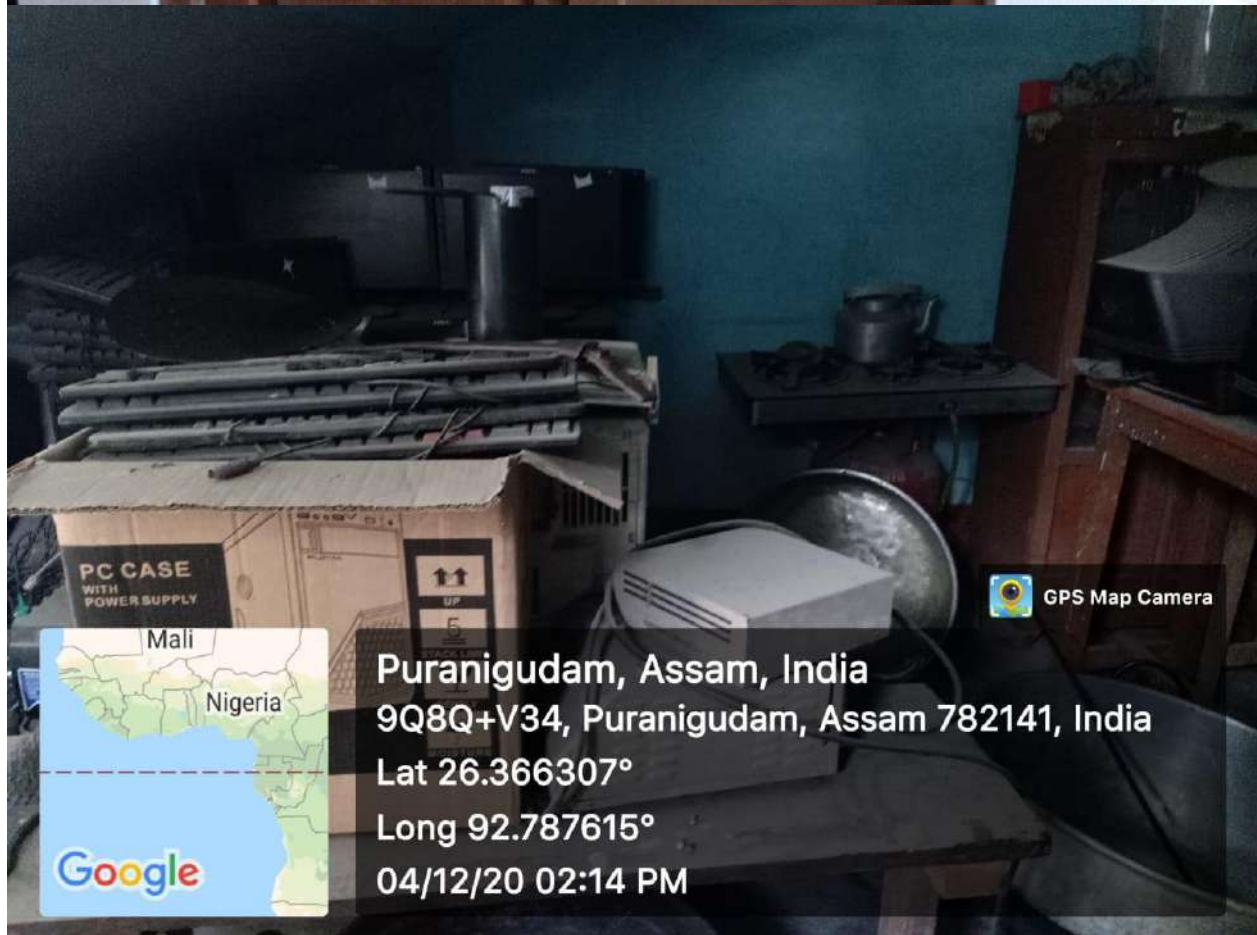


Puranigudam, Assam, India  
9Q8Q+V34, Puranigudam, Assam 782141, India  
Lat 26.366143°  
Long 92.787649°  
20/07/22 09:58 AM





## E-Waste Management Mechanism



E-Waste Management: Photo of E-wastes of Computer, printer, CPU, Monitor etc.

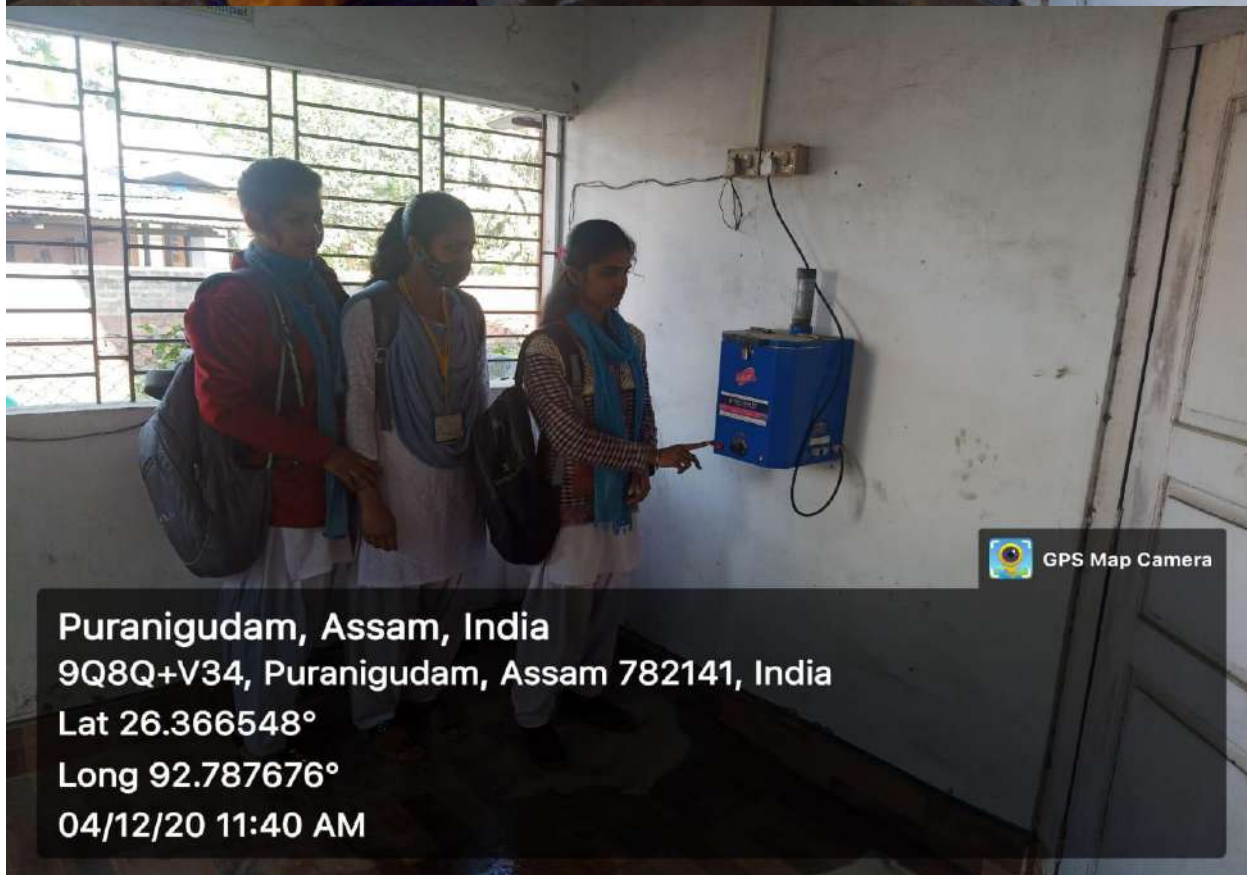




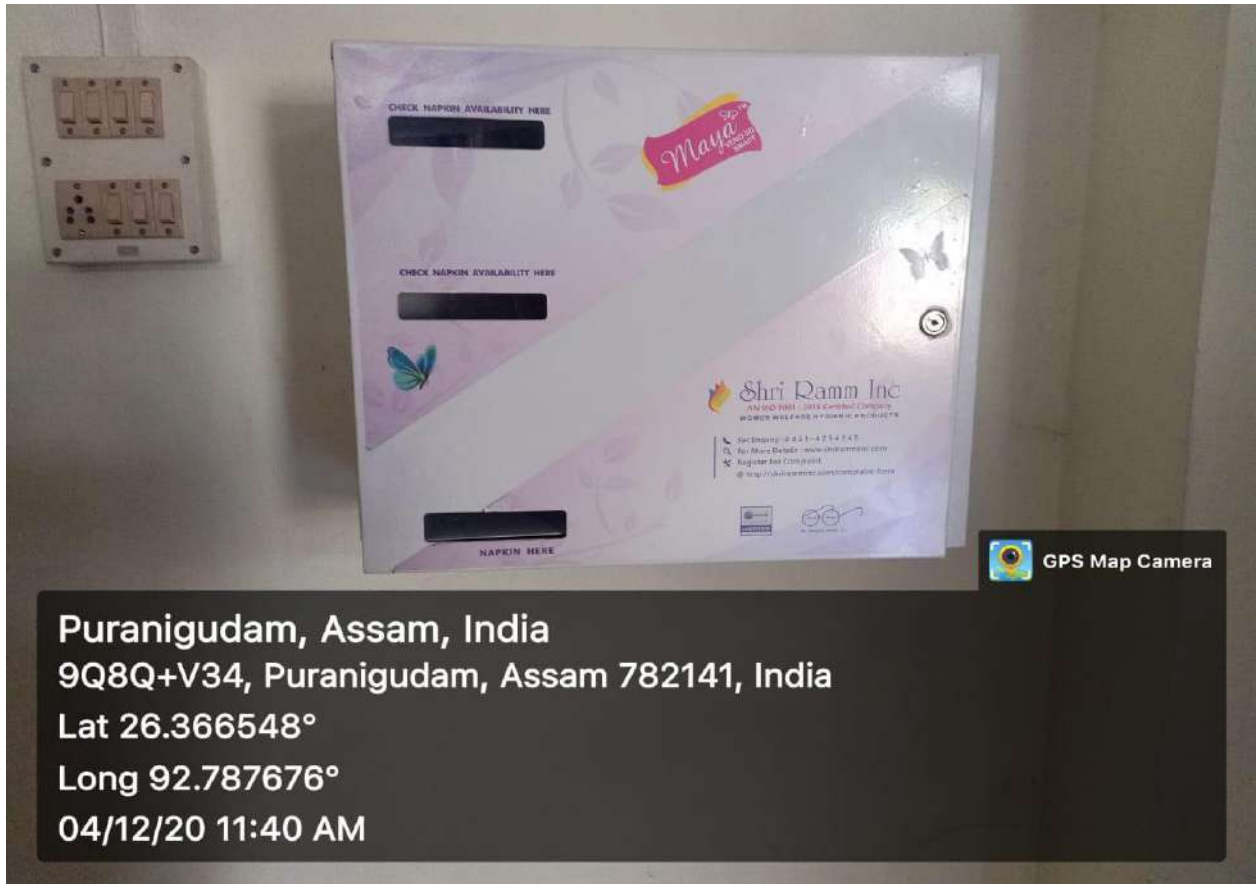
**E-Waste Management: Photos of fan, light, wire etc.**



## Bio-medical Waste Management







Puranigudam, Assam, India  
9Q8Q+V34, Puranigudam, Assam 782141, India  
Lat 26.366548°  
Long 92.787676°  
04/12/20 11:40 AM

### Plastic Free Zone



Puranigudam, Assam, India  
9Q8Q+V34, Puranigudam, Assam 782141, India  
Lat 26.366849°  
Long 92.787626°  
15/06/22 08:45 AM





**PLASTIC FREE ZONE**  
Plastic pollution free world is not a choice but commitment to life - a commitment to the next generation.  
• Use of plastic in the campus is strictly prohibited.  
(বিশিষ্ট স্থানত প্লাষ্টিক ব্যৱহাৰ নিষিদ্ধ।)  
• Littering of waste in and around the college campus is strictly prohibited.  
(কলেজ ক্যাম্পাসৰ ভিতৰত আৰু ইয়াৰ আশে-পাশে বৰাৰেণ্ট উপযোগী নাই।)  
"Do Something Drastic - Cut the plastic.  
Better Environment Better Tomorrow."

STUDENTS UNION OFFICE  
&  
BOYS COMMON ROOM

GPS Map Camera



Puranigudam, Assam, India  
9Q8Q+V34, Puranigudam, Assam 782141, India  
Lat 26.366971°  
Long 92.787648°  
15/06/22 08:44 AM



PLASTIC FREE ZONE

TO THE LIBRARY →

GPS Map Camera



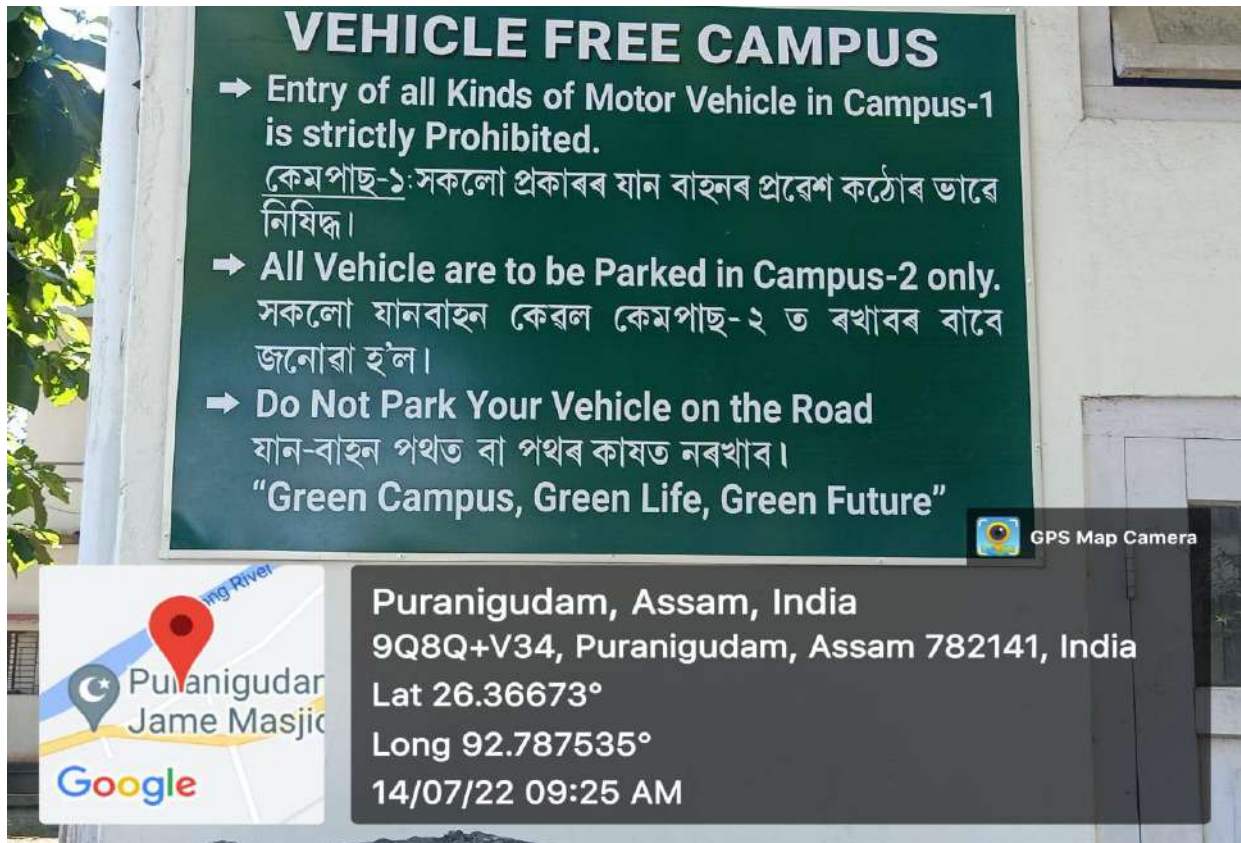
Puranigudam, Assam, India  
9Q8Q+V34, Puranigudam, Assam 782141, India  
Lat 26.36637°  
Long 92.787603°  
15/06/22 08:47 AM







## Vehicles Free Zone



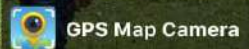
## Tobacco Free Zone



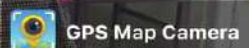




Puranigudam, Assam, India  
9Q8Q+V34, Puranigudam, Assam 782141, India  
Lat 26.366546°  
Long 92.787725°  
13/07/22 11:37 AM



Puranigudam, Assam, India  
9Q8Q+V2J, Puranigudam, Assam 782141, India  
Lat 26.368226°  
Long 92.787473°  
13/07/22 12:39 PM







### Swachha Bharat Abhijan and Cleanliness Drive

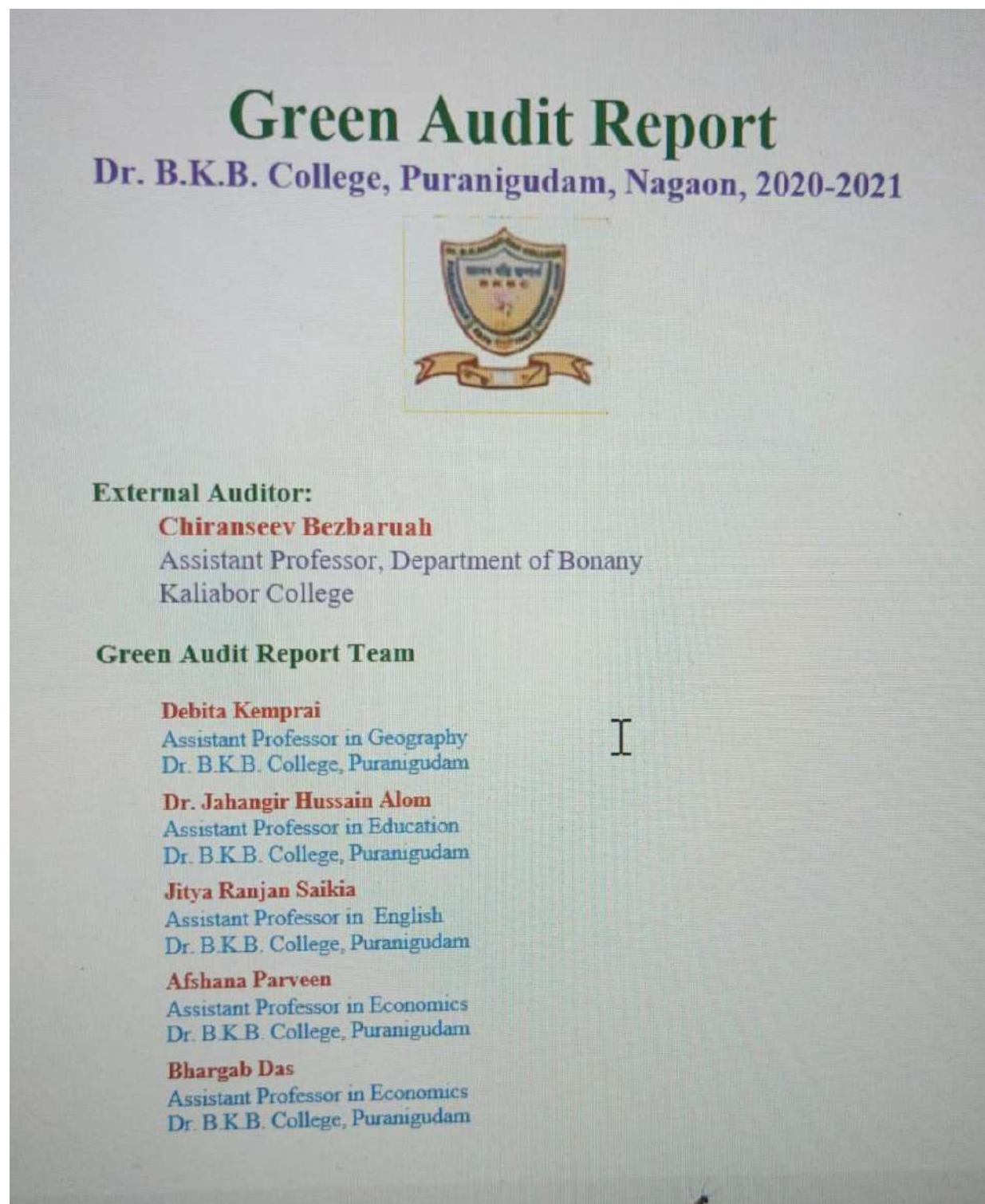








**Green Audit:** Green audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of institute. Dr. BKB College, Puranigudam, Nagaon, Assam has conducted an in-depth survey on flora and fauna, waste management and water management in order to know the environmental status of the college campus. Survey report of the green audit indicates well three diversity, fauna diversity and good waste and water management which impressed the external green evaluator to certify the college campus as green campus.





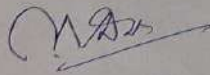


External Auditor details:

Name of the Auditor : Chiranjeev Bezbaruah  
Designation : Assistant Professor, Deptt. of Botany  
Name of the Institution : Kaliabor College  
Year of Experience : 19 years

Comments of the Auditor:

The campus is well maintained and has a good green cover but an effort is needed for waste disposal. Overall the campus is safe and conducive for students.



Principal  
Dr. B.K.B. College  
Puranigudam  
Nagaon (Assam)

Chiranjeev Bezbaruah  
(Chiranjeev Bezbaruah)

External Auditor

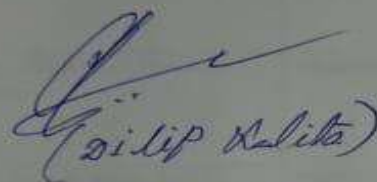
**GREEN AUDIT DR.B.K.B. COLLEGE, PURANIGUDAM, NAGAON**

**CERTIFICATE**

This is to certify that Green Audit for Dr.B.K.B. College, Puranigudam, Nagaon has been conducted in the month of December, 2021 to assess institutional performance against its environmental policies and objectives and its impact on the environment which include Flora and Fauna, Water, etc. Further, it is certified that assessment has been made on the original data collected on site and verified by green auditing team for validity and reliability. Photographs and data are genuine and are taken directly by the audit team or indirectly provided by the internal audit team.

External Auditors:

1.



Divisional Forest Officer  
Nagaon Social Forestry Division  
Katimari

2.



Assistant Conservator of Forest  
Nagaon Social Forestry Division  
Nagaon

**Energy Audit:**Energy is one of the most important inputs for the overall economic development of any country.Dr. B.K.B. College, Puranigudam is a higher education institute in Nagaon district of Assam taking oathof reducing energy intensity in the college campus by conducting Energy Audit. An assessmentof energy consumption, energy sources used, energy management,lighting devices usedandother appliances used by the college campus community is animportant aspect ofsustainabilityof the community. Hence this is a relevant aspectof the assessment. The audit team assessed thenumber of electrical appliances andtheir respective uses in terms of consumption of energy permonthin KWH. Thisindicates the energy management ofthe campus. Dr. BKB College usage and consumes the following types of energies like generator, grid power/transformer and solar energy.

**Generator**



**Transformer**





## Solar Energy



Puranigudam, Assam, India  
9Q8Q+V2J, Puranigudam, Assam 782141, India  
Lat N 26° 22' 5.6136"  
Long E 92° 47' 14.9028"  
04/12/20 02:19 PM

**M/S. KAMAKHYA ELECTRICALS**  
Mahatma Gandhi Road, Nagaon (Assam) : Mobile : 94350-63586  
Govt. Regd. Electrical Contractor & Supplier  
Specialist in : Wiring Installation, Motor Generator & Electrical Pumpset repairing, Panel board construction,  
Electrical Project drawing, Estimating & Erection of H.T. & L.T.O.H., Line & Sub-station.

Ref. No. KE/BKBC/03 Date: 16.7.2021

**ENERGY AUDIT REPORT**  
**DR. B.K.B. COLLEGE, PURANIGUDAM, NAGAON, ASSAM**


We are grateful to be a part of the preparation of Energy Audit Report of Dr. B.K.B. College, Puranigudam, Nagaon, Assam for the year 2020-21 (from 1<sup>st</sup> July, 2020 to 30<sup>th</sup> June, 2021). As a part of audit methodology, we have visited Dr. B.K.B. College, Puranigudam, Nagaon, Assam campus on 14<sup>th</sup> July, 2021 to collect data and to take some instantaneous measurements. We have studied the present energy consumption pattern, assessed the actual operating load, illumination study and energy conservation in lighting system. The summary of the Report is as follows -

1. The average monthly energy consumption of the college campus is 952.23 units.
2. Annual bill is Rs. 187863/-
3. Average unite rate is Rs. 7.35/-(Grid Power)
4. Cost of Generator fuel for the year 2020-21= Rs. 28263/-
5. In all, ten solar streets light are installed inside the campus. Installation of a solar plant is suggested.
6. Only five star rating air conditioner should be used.
7. Remaining twenty percent of the tube lights used should be replaced by LED lights.
8. Energy monitoring and maintenance mechanism including DG set performance should be further streamlined. The operational staff must be given comprehensive training and awareness should be created among students and staff for efficient use of electricity and safety precaution.

We, hope that this activity will improve the energy efficiency and reduce the overall energy consumption of the College campus.

Internal Auditor: Bhargab Das  
Mr. Bhargab Das  
Assistant Professor  
Department of Economics  
Dr. B.K.B. College, Puranigudam  
Nagaon

External Auditor:  
M/S Kamakhya Electricals  
M.G. Road, Nagaon  
Bikash Jyoti Deb  
(Bikash Jyoti Deb)  
Proprietor & Electrical Consultant





# M/S. KAMAKHYA ELECTRICALS

Mahatma Gandhi Road, Nagaon (Assam) : Mobile : 94350-63586

Govt. Regd. Electrical Contractor & Supplier

Specialist In : Wiring installation, Motor Generator & Electrical Pumpset repairing, Panel board construction, Electrical Project drawing, Estimating & Erection of H.T. & L.T.O.H., Line & Sub-station.

Ref. No. KE/BKBC/03.

Date 16.7.2021

To

The Principal  
Dr. B.K.B. College, Puranigudam  
Nagaon, Assam

Subject: Submission of Energy Audit Report.

Dear Sir,

In order to prepare an Energy Audit Report my audit department has visited Dr. B.K.B. College campus on 14<sup>th</sup> of July, 2021 to collect data and instantaneous measurement. After collecting the required data and analyzing those data, Energy Audit Report has been prepared which includes our finding and necessary recommendation to explore energy conservation opportunities. The Report has been attached along with this letter for your consideration. We hope that this activity reduce the overall energy consumption of the College campus and improve the energy efficiency.

Thanking You

M/S Kamakhya Electricals  
M.G. Road, Nagaon

*Bikash Jyoti Deb*

(Bikash Jyoti Deb)  
Proprietor & Electrical Consultant



Assam Power Distribution Company Limited  
NAME OF ELECTRICAL SUB-DIVISION / IRCA - SAHAGURI / IRCA NAGAON  
CIN: U40109AS2003SGC007242  
GSTIN: URAABCL1364J123  
ELECTRICITY BILL

Website: www.apdcl.org

Centralized Customer Care Number: 1912

Consumer Name: Dr. B.K.B. COLLEGE Address: PURANIGUDAM, Nagaon, NAGAON	Consumer Number: 12500000837 Old Consumer Number: 6400002727 DTR Number: 2443 Pole Number: 000 Connected Load in KW: 25.0 Contracted Demand in KVA: 41.0 Load Security: 96275.000 Meter Number: APDCJ912	Bill Amount: 26837.000 Due Date: 20-Jun-2022 Bill Number: 900010000 Bill Period: 01-May-2022 To 31-May-2022 Bill Date: 05-Jun-2022 Number of Days: 31 Meter Status: RUNNING Billing Status: NORMAL
---	---	---

### Meter Reading Details

Reading Type	Meter Number	MF	Previous Reading (in KWh)	Previous Export in (KWh)	Current Reading (in KWh)	Current Export in (KWh)	Difference Reading in (KWh)	Difference Export in (KWh)
KWh (Normal)	APDCJ912	15.0	5819.000	0.000	5962.600	0.000	143.600	0.000

Units Consumed	PF Penalty/Rebate	LT Metering Penalty	DTR Penalty	HT Rebate	Voltage Rebate	Voltage Penalty	Drivable Units in KWh	
Normal   2164.000	22.190	64.620	0.000	0.000	0.000	0.000	2196.430	
Recorded Demand (in KVA)	1.05		Maximum Demand (in KVA)	15.9	Billing Period (in Days)	41.0	Average Power Factor	99.9
Power on Hours	720.0					Availability Percentage		

### Billing Details

Current Demand Rs. 26836.770	Outstanding Amount Rs. 0.000	Adjustment Amount Rs. 0.000	Solar Rebate 0.00	Net Bill Amount Rs. 26837.000
---------------------------------	---------------------------------	--------------------------------	----------------------	----------------------------------

PLEASE PAY YOUR BILL ON TIME AND HELP US TO SERVE YOU BETTER

Charges Breakup Details	Units	Rate	Amount
Energy Charge (Normal)	2196.430	7.700	16912.710
Total Energy Charge			16912.71
Energy Charge Re-Estimated			0.000
Backup Solar Adjustment			0.00
Backup Solar Adjustment (KW) and Fixed Charge	41.0	200.0	8367.26
PFPPA Charge		-0.05	-109.02
Electricity Duty			3203.49
Govt. Subsidy		0.0	0.0
Contractual Penalty			0.0
Meter Rent		400.0	413.33
Charges for dishonoured cheques			0.0
Arrear Principal			0.000
Arrear Surcharge			0.000
Current Surcharge			0.000
Adjustment Amount			0.000
<b>Rebate if paid before due date</b>			<b>0.00</b>
<b>Payable amount before due date</b>			<b>26837.00</b>
<b>Payable amount after due date</b>			<b>26837.00</b>

Checked by E&OE:

Prepared by: 40013299


Signature with seal

**Seminar on Waste Management:** On the eve of the Namami Brahmaputra Festival celebration in Nagaon district in 2017, the Dr. BKB College, Puranigudam was organized a seminar on **‘Waste Management: A Step towards Green Earth’** on 3<sup>rd</sup> July, 2017 in association with Department of Economics, Dr. B.K.B. College. The main purpose of the seminar was to make the people aware towards the environmental sustainability. More than 200 participants (faculty members, research scholars, students and local people) were participated in the seminar. The key note of the seminar was delivered by Prof. Kali Prasad Sharma, Department of Environmental Science, Tezpur University, Tezpur, Assam on the topic, **“Waste: A Problem or A Resource (Reduce, Reuse and Recycle).”** Moreover, Prof.Chandan Mahanta, Department of Civil Engineering, IIT, Guwahati presented a paper on **“Brahmaputra: Protecting and Conserving a Threatened River”**.







  
**OFFICE OF THE DEPUTY COMMISSIONER :: NAGAON**  
**(MAGISTRACY BRANCH)**  
 PH. NOS. - 03672 - 233185 (O) / 233222 (F) / 233202 (R) 233193 (F)  
 email : dc-nagaon@nic.in  
 (An ISO 9001:2008 Certified Organisation)

NO.NMM.03/2017/ Date : 25/03/2017

To, All Heads of Departments

Sub : Conduct of Seminar/Conference/Workshop in relation to NAMAMI BRAHMAPUTRA FESTIVAL/2017 of Nagaon District.

Sir,

Please find herewith the enclosed programme schedule for the upcoming NAMAMI BRAHMAPUTRA FESTIVAL/2017 w.e.f from 31<sup>st</sup> March to 4<sup>th</sup> April 2017 at Nagaon.

You are hereby requested to provide all necessary assistance and support to the host institution for smooth and successful conduct of the seminar under the topic specified in the enclosed list related to your department. Please contact the principal/head of the college/institute and provide all necessary assistance.

The matter may be treated as most urgent.

(Shamsher Singh, IAS)  
 Deputy Commissioner,  
 Nagaon.  
 Date : 25/03/2017

Memo.NO.NMM.03/2017/  
 Copy for kind information and necessary action to :-  
 1. Convenor, Academic Committee, Namami Brahmaputra Festival 2017, Nagaon.  
 2. Principal/ Convenor..... *B.K.B. College* ..... host institution for information.  
 3. Office copy. *(Punani gale)*

(Shamsher Singh, IAS)  
 Deputy Commissioner,  
 Nagaon.





Attendance Sheet

PROGRAMME OF THE SEMINAR  
ON  
WASTE MANAGEMENT: A STEP TOWARDS GREEN EARTH

Date: 03/04/2017

**ATTENDANCE SHEET**

Sl. No.	Name of the Participant	Designation	Institution	Signature
1	Banshali Baruah	student	Dt. B.K.B college	Banshali Baruah
2	Nilakshi Kalita	student	Dt. B.K.B. College	Nilakshi Kalita
3	Nashim Sultan	student	Dt. B.K.B. College	Nashim Sultan
4	Nilakshi Boro	student	Dt. B.K.B. College	Nilakshi Boro
5	Muzha Bora	Student	Dt. B.K.B College	Muzha Bora
6	Gourab Rajoli Boro	student	Dt. B.K.B college	Gourab Rajoli Boro

PROGRAMME OF THE SEMINAR  
ON  
WASTE MANAGEMENT: A STEP TOWARDS GREEN EARTH

Date: 03/04/2017

**ATTENDANCE SHEET**

Sl. No.	Name of the Participant	Designation	Institution	Signature
1	Anita Jyoti Saikia	Student	B.K.B college	Anita Jyoti Saikia
2	Pranjali Saikia	"	"	Pranjali Saikia
3	Laxi Bora	"	"	Laxi Bora
4	Mahim Bora	"	"	Mahim Bora
5	Siddam Hussain	"	"	Siddam Hussain
6	Sangita Bora	"	"	Sangita Bora
7	Sikha moal Hazarika	"	"	Sikha moal Hazarika
8	Ankurami Barthakur	"	Dt. B.K.B College	Ankurami Barthakur
9	Nayon Jyoti Guason	"	"	Nayon Jyoti Guason
10	Chitra Ranjan Baruah	"	"	Chitra Ranjan Baruah



PROGRAMME OF THE SEMINAR  
ON  
WASTE MANAGEMENT: A STEP TOWARDS GREEN EARTH

Date: 03/04/2017

ATTENDANCE SHEET

Sl. No.	Name of the Participant	Designation	Institution	Signature
1	Abananda Boragi	Student	Dr. Birinchi College, Nagaon	<i>Abananda Boragi</i>
2	Bamita Guayan	"	"	<i>Bamita Guayan</i>
3	Subhin Ahmed	"	"	<i>Subhin Ahmed</i>
4	Shruti Rani Boruah	"	"	<i>Shruti Rani Boruah</i>
5	Mazina Begum	"	"	<i>Mazina Begum</i>
6	Rima Saikia	"	"	<i>R. Saikia</i>
7	Rimlee Saikia	"	"	<i>R. Saikia</i>
8	Kalyani Chakraborty	"	"	<i>Kalyani Chakraborty</i>
9	Debasia Das.	"	"	<i>Debasia Das</i>

PROGRAMME OF THE SEMINAR  
ON  
WASTE MANAGEMENT: A STEP TOWARDS GREEN EARTH

Date: 03/04/2017

ATTENDANCE SHEET

Sl. No.	Name of the Participant	Designation	Institution	Signature
1.	Anita Acharyee	2nd Sem Student	Dr. B.K.B. College	<i>Anita Acharyee</i>
2.	Dimpi Gohain.	2nd Sem student	Dr. B.K.B. College	<i>Dimpi Gohain</i>
3.	Pallabi Khanikar.	4th Sem Student	Dr. B.K.B. College	<i>Pallabi Khanikar</i>
4.	Susmi Hazarika	4th Sem Student	Dr. B.K.B. College	<i>Susmi Hazarika</i>
5.	Pallavi Sainia	4th sem student	Dr. B.K.B. college	<i>Pallavi Sainia</i>
6.	Nipamoni Das.	4th sem Student	Dr. B.K.B. college	<i>Nipamoni Das</i>
7.	Anatika Bora	4th sem student	Dr. B.K.B. College	<i>Anatika Bora</i>
8.	Sanghamitra Devi	2nd sem "	Dr. B.K.B. college	<i>Sanghamitra Devi</i>



*M. Das*  
Principal  
Dr. B.K.B. College  
Puranigudam  
Nagaon (Assam)